

ABSTRACT OF THE DISCLOSURE

Propulsion system for ships and other mobile marine structures, with a driving machine for running an electrical generator, which is further connected to an electrical propulsion motor with connection to a propeller or similar propulsion device. The system can be simplified in that the generator and the propulsion motor are permanently magnetized synchronous machines. The two synchronous machines have substantially the same basic construction, with approximately identical voltage characteristics with regard to frequency, and they are directly connected together with a rigid electrical connection.